

IN THE CLAIMS:

1. (Currently amended) A method for backing up data, the method comprising:
establishing at a server a connection with a wireless device over a wireless network using a wireless protocol;
pushing, over the wireless network to the wireless device, a request to backup data, wherein the step of pushing the request comprises sending a textual based service load to a proxy server, wherein the proxy server is configured to translate the textual based service load to a binary based service load and send the translated binary based service load to the wireless device;
receiving the data from the wireless device; and
storing the data on a storage device coupled to the wireless network.
2. (Original) The method as recited in claim 1, wherein the connection is established in response to receipt of an indication that the wireless device has been powered on.
3. (Original) The method as recited in claim 1, wherein connection is established periodically.
4. (Original) The method as recited in claim 1, wherein the connection is established in response to receipt of a request to backup data from the wireless device.
5. (Cancelled)
6. (Currently amended) The method as recited in claim 5, wherein the service load provides a uniform resource identifier for an application that the wireless device may retrieve to transmit the data to the server.

7. (Currently amended) The method as recited in claim 4, wherein the data includes at least one of phone lists, calendars, address lists and note further comprising steps of:

sending a request by the wireless device to the proxy server to retrieve the application identified by the uniform resource identifier;
receiving the application by the wireless device; and
executing the application by the wireless device to transfer the data requested to be backed up.

8. (Original) The method as recited in claim 1, wherein the connection between the server and the wireless device uses unused extra bandwidth.

9. (Original) A method on a proxy server for facilitating data backup, the method comprising:

receiving a request in a first protocol from a backup server for a wireless client to backup data to the backup server;

translating the request formatted in the first protocol into a translated request formatted in a second protocol, wherein the second protocol is compatible with the wireless client;

sending the translated request to the wireless client over a wireless network;

receiving over the wireless network the data from the wireless client formatted in a third protocol;

translating the data formatted in the third protocol into translated data formatted in a fourth protocol compatible with the backup server; and

sending the translated data to the backup server.

10. (Original) The method as recited in claim 9, wherein the request is a textual based service load providing the client with a uniform resource identifier for an application which will identify, locate, and transmit the requested data to the backup server.

11. (Original) The method as recited in claim 9, wherein the translated request is a binary based service load.
12. (Original) The method as recited in claim 10, wherein the third protocol is a wireless application protocol.
13. (Original) The method as recited in claim 10, wherein the fourth protocol is a hypertext transfer protocol.
14. (Currently amended) A method for backing up data, the method comprising:
responsive to receipt of a push command from a backup server via a wireless network to backup data, retrieving, without user intervention, the data to be backed up from storage within a wireless client; and
transmitting, without user intervention, the data to be backed up to the backup server via the wireless network utilizing a wireless protocol, wherein the command from the backup server comprises a location of an application to be executed by the wireless client to transmit the data to be backed up to the backup server.
15. (Original) The method as recited in claim 14, wherein the data to be backed up is sent to the server by way of a proxy server and is sent using a wireless application protocol.
16. (Original) The method as recited in claim 14, further comprising:
transmitting a request to the backup server via the wireless network to retrieve backed up data;
receiving the backed up data from the backup server via the wireless network; and
storing the backed up data on the wireless client.
17. (Currently amended) ~~The method as recited in claim 1, further comprising:~~ A method for backing up data, the method comprising:

establishing at a server a connection with a wireless device over a wireless network using a wireless protocol;
pushing, over the wireless network to the wireless device, a request to backup data;
receiving the data from the wireless device;
storing the data on a storage device coupled to the wireless network, wherein the data stored on the storage device is backed up data;
receiving a request for the backed up data from the wireless client;
retrieving the backed up data ~~corresponding to the wireless client~~; and
transmitting the backed up data to the wireless client via the wireless network.

18. (Currently amended) A computer program product in a computer readable media for use in a data processing system implemented as a server for backing up data, the computer program product comprising:

first instructions for establishing a connection with a wireless device over a wireless network using a wireless protocol;
second instructions for enabling a request to backup data to be pushed over the wireless network to the wireless device, wherein the request comprises a textual based service load and is sent to a proxy server, wherein the proxy server is configured to translate the textual based service load to a binary based service load and send the translated binary based service load to the wireless device;
third instructions for receiving the data from the wireless device; and
fourth instructions for storing the data on a storage device connected to the wireless network.

19. (Original) The computer program product as recited in claim 18, wherein the connection is established in response to receipt of an indication that the wireless device has been powered on.

20. (Original) The computer program product as recited in claim 18, wherein the first instructions comprise instructions for establishing the connection periodically.

21. (Original) The computer program product as recited in claim 18, wherein the connection is established in response to a request to backup data received from the wireless device.
22. (Cancelled)
23. (Currently amended) The computer program product as recited in claim 22 18, wherein the service load provides a uniform resource identifier for an application that the wireless device may retrieve to transmit the data to the server.
24. (Original) A computer program product in a computer readable media for use in a data processing system implemented as a proxy server for facilitating data backup, the computer program product comprising:
 - first instructions for enabling receipt of a request, formatted in a first protocol, from the backup server for a wireless client to backup data to the backup server via a wireless network;
 - second instructions for translating the request formatted in the first protocol into a translated request formatted in a second protocol, wherein the second protocol is compatible with the wireless client;
 - third instructions for enabling the transmission of the translated request to the wireless client;
 - fourth instructions for enabling the receipt of the data from the wireless client formatted in a third protocol;
 - fifth instructions for translating the data formatted in the third protocol into translated data formatted in a fourth protocol compatible with the backup server; and
 - sixth instructions for enabling the transmission of the translated data to the backup server.
25. (Currently amended) A computer program product in a computer readable media for use in a data processing system implemented as a wireless client for backing up data, the computer program product comprising:

first instructions, responsive to receipt of a push command from a backup server via a wireless network to backup data, for retrieving, without user intervention, the data to be backed up from storage within a wireless client; and

second instructions for enabling the transmission of the data, without user intervention, to be backed up to the server via the wireless network utilizing a wireless protocol, wherein the command from the backup server comprises a location of an application to be executed by the wireless client to transmit the data to be backed up to the backup server.

26. (Currently amended) The computer program product as recited in claim 18, wherein the data stored on the storage device is backed up data, and further comprising:

fifth instructions for enabling the receipt of a request for the backed up data from the wireless client;

sixth instructions for retrieving the backed up data ~~corresponding to the wireless client~~; and

seventh instructions for enabling the transmission of the backed up data to the wireless client via the wireless network.

27. (Currently amended) A system for backing up data, the system comprising:

a communication unit which establishes a connection with a wireless device over a wireless network;

a backup initiator which pushes, over the wireless network to the wireless device, a request to backup data, wherein the request comprises a textual based service load that is sent to a proxy server, wherein the proxy server is configured to translate the textual based service load to a binary based service load and send the translated binary based service load to the wireless device;

a receiver which receives the data from the wireless device; and

storing unit which stores the data on a storage device coupled to the wireless network.

28. (Original) The system as recited in claim 27, wherein the connection is established in response to receipt of an indication that the wireless device has been powered on.
29. (Original) The system as recited in claim 27, wherein the connection is established periodically.
30. (Original) The system as recited in claim 27, wherein the connection is established in response to a request to backup data received from the wireless device.
31. (Original) A system for facilitating data backup, the system comprising:
 - a request receiver which receives a request in a first protocol from a backup server requesting that a wireless client backup data to the backup server;
 - a first translator which translates the request formatted in the first protocol into a translated request formatted in a second protocol, wherein the second protocol is compatible with the wireless client;
 - a first transmitter which sends the translated request to the wireless client via a wireless network;
 - a data receiver which receives the data from the wireless client via the wireless network formatted in a third protocol;
 - a second translator which translates the data formatted in the third protocol into translated data formatted in a fourth protocol compatible with the backup server; and
 - a second transmitter which sends the translated data to the backup server.
32. (Original) The system as recited in claim 31, wherein the request is a textual based service load providing the client with a uniform resource identifier for an application which will identify, locate, and transmit the requested data to the backup server.
33. (Original) The system as recited in claim 31, wherein the translated request is a binary based service load.

34. (Original) The system as recited in claim 31, wherein the third protocol is a wireless application protocol.
35. (Original) The system as recited in claim 31, wherein the fourth protocol is a hypertext transfer protocol.
36. (Currently amended) A system for backing up data to a server via a network, the system comprising:
 - a data retriever which, responsive to receipt of a push command from a backup server via a wireless network to backup data, retrieves, without user intervention, the data to be backed up from storage within a client; and
 - a transmitter which transmits, without user intervention, the data to be backed up to the backup server via the wireless network utilizing a wireless protocol, wherein the command from the backup server comprises a location of an application to be executed by the wireless client to transmit the data to be backed up to the backup server.
37. (Original) The system as recited in claim 36, wherein the wireless device is a wireless phone.
38. (Original) The system as recited in claim 36, wherein the wireless device is a personal digital assistant.
39. (Currently amended) The system as recited in claim 27, wherein the data stored on the storage device is backed up data, and wherein the receiver receives a request for the backed up data from the wireless client, and further comprising:
 - a retrieval unit which retrieves the backed up data ~~corresponding to the wireless client~~; and
 - a transmitter which transmits the backed up data to the wireless client.